

#### WHAT IS CLAIMED

1. A three-dimensional object generating system comprising:
  - a user terminal; and
  - a three-dimensional plotter system connected to the user terminal through a network,
  - the three-dimensional plotter system comprising
    - a three-dimensional plotter,
    - a monitoring camera for imaging the operating conditions of the three-dimensional plotter, and
    - a three-dimensional plotter controlling computer for controlling the three-dimensional plotter, and
    - the user terminal comprising
      - three-dimensional data generation means for generating three-dimensional data representing a three-dimensional object;
      - plotter data generation means for generating data for a three-dimensional plotter from the three-dimensional data representing the three-dimensional object,
      - monitoring means for receiving and displaying a video from the monitoring camera on the side of the three-dimensional plotter system through the network, to monitor the operating conditions of the three-dimensional plotter, and
      - remote operation means for remotely operating the three-dimensional plotter through the network.

2. The three-dimensional object generating system according to claim 1, further comprising

a knowledge providing server connected to the network and for providing to the user terminal information for supporting work for generating data for the three-dimensional plotter and work for remotely operating the three-dimensional plotter by a user at the user terminal,

the user terminal comprising browser means for accessing the knowledge providing server to obtain required information from the knowledge providing server and displaying the obtained information.